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AMERICAN'S

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MAR 18 1949

U. S. Department of Agriculture

ECONOMY SEED SPECIAL

MARCH—APRIL, 1949

Last Call for Spring Savings!

60 Bargains In This Catalog
SAVE 20% to 30%

BIG PRICE REDUCTION
Fancy Medium Red Clover
Lot "REAL KLEEN" \$31.90 bu. (60 lbs.)
High Purity and Germination — Northern Grown

Here is the real value of the year. Many country dealers and elevators have paid more money for the same quality in the past six months. It is nice bright, plump seed the same as other seed selling \$3.00 to \$4.00 per bushel more money. Lot "Real Kleen" is hardy domestic northern grown seed. It will produce as well as Red Clover offered by other dealers for more money. We priced this seed low because it contains around two to three percent of other clovers and alfalfa. This lot has a total crop purity of 99% or better and germinates 90% with hard seeds. It has been thoroughly cleaned for bad weeds. We guarantee it to comply with your state seed law. It is adapted for any section in the country where you need hardy Red Clover. Don't buy country run Red Clover not tested, when you can buy Lot "Real Kleen" at this price. Order now and save more.

See General Price List Pages 12 and 13

AMERICAN FIELD SEED COMPANY

43rd. and DAMEN Ave.

CHICAGO,

ILLINOIS

Lot "SURPRISE" MAMMOTH RED CLOVER

99.00% Pure or Better—\$31.40 Bu. (60 lbs.)

It is sometimes called Sapling Clover. This is our Fancy quality, which is always high grade seed. Has been triple cleaned to remove impurities, weeds, etc. The quality is extra fine. Will please any farmer who only wants top quality. The crop was fair this past year and seed of this quality is not plentiful. Germination 90%.

It grows two years from a seeding and generally makes two hay crops or a hay and aseed crop in the second year of its growth. It grows taller and makes a somewhat coarser and heavier growth than the Medium Red Clover. One cutting of Mammoth will produce more tonnage than one of Medium. It is a little later in maturity than the Medium. In the north where the seasons are too short for two cuttings, more Mammoth is used. It is also used to plow under earlier in fall in preparation for some other fall crop. Crop was not large last year. Order now.

Lot "DIAMOND" \$13.90 (45 lbs.) RED CLOVER

With Alsike and Timothy

98 to 99% Pure Crop Seed—High Germination

We offered Lot "Diamond" on the inside front cover in our Star Catalog this year. There was such a fine response from hundreds of customers who ordered Lot Diamond that we decided to offer it again in this book. It meets the need of almost every practical farmer at a very low cost. It contains over 50 to 55% Clovers. Runs about half Red Clover and half Alsike Clover. Its a champion mixture. You will appreciate the fine quality of this seed. Only costs about \$2.25 per acre to sow Lot Diamond. When sown at the rate of eight pounds per acre, you have approximately 22 Red Clover seeds and 18 Alsike seeds on every square foot. This is a total of 40 Clover seeds besides the Timothy. Makes thick stand.

Lot Diamond has been recleaned and tested. Has good purity and germination. I guarantee it to be just as represented. Economize by ordering this fine lot. We have many repeat order for Lot "Diamond."

All Seeds Sold on Our MONEY BACK Guarantee

See Page 4 in Our 1949 Star Catalog

IT PAYS TO INOCULATE

"POSTPAID PRICES ON TUBERCLE GERM"

Alfalfa, Red Clover, Alsike and Sweet Clover		Vetch	
1 Bu. size	\$0.50	2 Bu. (100 lbs.) size	\$0.50
2½ Bu. size	1.00	Soy Beans	
Lespedeza		2 Bu. size	.30
4 Bu. (100 lbs.) size	.60	5 Bu. size	.50
		25 Bu. size	2.25

In co-operation with the Government Conservation Program, the inoculant industry had to discontinue the ½ bu. size cans.

MEDIUM RED CLOVER

"Pinnacle Brand" \$34.50 bu.

Over 99.25% Purity—Germination 90%—

HARDY U. S. GROWN—BU. 60 lbs.)

This is a beautiful lot of seed. This quality will strike the eye of critical buyers of Red Clover. It's extra fancy quality. Our Pinnacle brand is our best grade. We will match it with the best grades offered by other seed dealers. Order our Pinnacle Brand Red Clover. If you do not find it equal or better than other Red Clover offered you this year for the money, ship it back and we will refund your money plus two dollars for trouble. We will pay transportation charges both ways. We do not have one complaint in five hundred orders from customers who buy our Pinnacle Brand. You certainly get your money's worth when you buy this grade. You could buy some country cleaned seed or some low grade seed for less money. It might look pretty good but if you had it tested it might contain so many noxious weed seeds you wouldn't even want to have it as a gift. Play safe. Buy Pinnacle Brand. It will save you money.

A MONEY SAVER ON CLOVER

Lot "AMAZE"

\$22.40 per bu. (50 lbs.)

We are offering Lot "Amaze" to counteract the high prices on Red Clover. It will save you \$2.50 to \$3.50 per bushel. We offered this lot last year as a clover containing three or four percent of other clovers. During the fall when seed crops were moving, we were able to pick up several hundred bushels of Red Clover that contained around 4% to 5% of other clovers, such as Alsike, Sweet Clover, Alfalfa and a sprinkling of Timothy. We have cleaned up this Clover and added about 25% of fancy Timothy. This makes a wonderful combination of about 75% of Red Clover containing a small percentage of the other clovers with about 25% of Timothy added. Sowing 8 to 10 pound per acre makes a good seeding. When sowing one bushel on six acres you put about 36 red clover seeds on every square foot, besides 2 or 3 other clover seeds and 30 to 40 timothy seed.

Lot "Amaze" is nice clean seed which has been thoroughly re-cleaned and tested. Has high purity and germination. You can really economize by sowing this nice lot of seed. You can obtain a wonderful stand that will amaze you. We sell Lot "Amaze" on our Money Back Guarantee. Order now when you can save the most.

IDAHO RED CLOVER

Lot "IDAHO" \$34.80 bu. (60 lbs.) 99 1/4 Pure

Many of our customers like Idaho Grown Medium Red Clover seed. Our Lot "Idaho" will please the most critical buyer—beautiful bright colored, plump seed. We challenge any dealer to offer better quality. This is really extra fancy quality, 99 1/4% or better pure and over 90% germination with the hard seeds. Buy this seed and after you get it home if you do not think it is some of the finest Red Clover you have ever owned, ship it back. We will refund all of your money plus all freight charges and give you two dollars extra for your trouble. We know you will be more than pleased with this outstanding quality. This great value will save you \$2.00 to \$3.00 per bushel. Stocks of our Lot "Idaho" are limited. We will be glad to send you a sample upon request. Inoculation Free with a 2 bu. order.

Alsike Clover

"Pinnacle" Brand \$23.40 bu.

Extra Fancy—Priced Below Market—60 lbs. Bu.

Why is Alsike economical to sow? Because the cost is so small to sow an acre of our Pinnacle Brand. This is real quality seed which accounts for this low cost seeding. Alsike seeds are only about one half the size of Red Clover seeds. You therefore get over twice as much seeds in a pound.

Most of our Alsike comes from northern Illinois, Minnesota, and Michigan. Our Pinnacle Brand is top quality. It will pay you to select Alsike Clover this year like our Pinnacle Brand. A seeding lasts several years. We guarantee satisfaction and a saving of several dollars per bushel to you on equal quality.

Alsike is a legume or soil builder. It will grow on low wet, sour, acid soil where Red Clover, Alfalfa and Sweet Clover would be a failure. It also will make a good growth on upland. Does extra well when sown in combination with other clover and grasses. Alsike hay has a feeding value equal to Red Clover. Only requires five or six pounds to sow an acre. At five pounds, the seeding is only about \$2.00 per acre. All our Alsike is of hardy origin and adapted wherever Alsike is grown.

Idaho Alsike Clover

Premium Grade \$24.40 bu. (60 lbs.)

Over 99.30 Pure—Idaho Grown—90% Germ.

Hundreds of seed dealers are looking for this quality of Alsike. Some of them would pay a premium price for it. We are selling this beautiful lot of Alsike under the market. The Alsike crop was not too large last year. The crop in Minnesota, Wisconsin, Illinois and Michigan, was small and the quality not so good as usual. Some of our customers demand high quality Alsike, so we bought two big cars of this beautiful Alsike Clover. Only takes 5 or 6 pounds of this quality to make a heavy seeding.

Good Alsike Clover is scarce and the market will not be lower this year. We are urging our customers to get in their order early and be protected on their requirements. We could sell all our Idaho Alsike to seed dealers and make money on it. Buy this seed and if you do not think it the finest seed you ever saw, return it for refund.

ALSIKE CLOVER With Timothy

Lot "THRIFT" \$12.40 bu.

45 lbs. Bu.—Recleaned, High Germination

Here is a dandy Alsike value. You can practice economy by sowing this lot. Only costs about \$1.75 per acre for a good seeding. Lot "THRIFT" contains some Timothy but the largest percentage is Alsike. We have sold this quality of Alsike for years and it has given universal satisfaction. This is a smooth looking lot of seed. It is new crop well recleaned and has a high germination. Sow 7 or 8 lbs. per acre. When sown at rate of 7 pounds per acre you get an average of about 60 Clover seeds on each square foot in addition to the Timothy.

Lot "THRIFT" will grow where other Clovers are a failure. It grows on rich or poor soil. Sow 4 or 5 lbs. per acre over an old thin pasture or meadow. The results will astonish you. This lot is described on Page 7 of our Star Catalog. Order now as catalog prices on most clovers are quoted much higher. You can practice economy by buying Lot "THRIFT." Our price is still under most of our competitors.

Stock of Finest SWEET CLOVER

YELLOW BLOSSOM SWEET CLOVER

Lot "JEWEL" \$12.15 bu. (60 lbs.)

99¼% Pure—Germination 90% (Including Hard Seed)

SAMPLE ENCLOSED

We do not believe that any dealer can match this outstanding value for seed of this high grade. 99.25% pure and germination of 90% including the hard seeds. Some agricultural experts claim yellow blossom will do the same work as white blossom as a pasture and soil builder. It has finer stems and a heavier foliage than the white blossom. We have enclosed a sample of our Lot "Jewel" so you can see the wonderful quality before you buy.

Retail dealers will no doubt ask you from \$2.00 to \$4.00 more per bushel for seed like Lot "Jewel". Why pay more money? We sell you the seed on a guaranteed basis. Our Sweet Clover seed is carefully prepared. Take advantage of this fine value. Sow about 12 to 14 lbs. per acre with your spring grain then plow under next spring. Will more than pay for itself in increased corn yields.

Lot "VICTORY"

\$11.25 per bu. (60 lbs.)

YELLOW BLOSSOM SWEET CLOVER

Hulled and Scarified

Here is the greatest value of the year. I expect this offer to bring us a thousand new customers. This same type of seed was described on page 10 of our Star Catalog. The price was under the market and it has been selling fast. Our early buying and great buying power permits us to hold down the price. However, our selling price is still under the market. Some dealers are getting around \$1.50 to \$2.00 per bushel more for this class of seed. We bought it right and are giving you the benefit of the purchase.

Some of the seed in Lot "Victory" has a dull color. This cuts down the market value. For practical purposes, it is just as satisfactory as seed selling for a lot more money. Others are getting a big premium for Yellow Blossom.

HUBAM CLOVER

Annual Sweet Clover

Lot "PINNACLE" \$17.95 bu. (60 lbs.)

This is one year type of Sweet Clover. This is our Pinnacle Brand, extra fancy quality. It has been re-cleaned and scarified. Has high purity and germination.

Hubam Clover does two years work in one. Sow it on fall grain or with spring grains. If you want to grow it for a seed crop, sow a very light spring nurse crop with it. Cut a grain crop and get a hay crop or seed crop later. Two crops per year. Some farmers use it for a fertilizer. Best to plow it under in fall when it is in full bloom. Will increase next year's yield of Corn 10 to 25 bushels per acre. That's what our customers report. Sow about 12 lbs. per acre.

The crop of Hubam was short last year. Seed stocks are short. This seed is priced under the market. Better order now while stocks are available.

EXTRA BIG VALUE

Lot "CREAM" \$13.15 bu. (60 lbs.)

99¼% Pure—Germination High

A Mighty Good Value

This is a real high grade lot of Sweet Clover. We bought it for the white blossom type. Compares with our Pinnacle Brand. Here is the seed for the fellow who demands high quality. We will match Lot Cream with the best quality offered by your local dealer and any reliable seed house. Lot Cream has bright plump berries. It's top quality and priced at wholesale.

Lot "Cream" has been scarified and recleaned. It is Northern grown. Will produce strong healthy plants. Lot "Cream" is a real buy at this low price. If we bought this seed on today's market we would have to ask more money. Many dealers are asking a lot more money for seed that is not as good. Last fall we bought a few extra cars to protect us against a rise in the market. We are quoting a rock bottom price. Order Lot "Cream" now and be protected.

Lot "NOBLE" \$11.90 bu.

Scarified Sweet Clover

FANCY QUALITY—NORTHERN GROWN

We offer Lot "Noble" to customers who are looking for a good value and good results. Some of the seeds are a little off in color. The seeds do not run as uniform in size as fancy high priced seed, but it is a mighty serviceable lot of Sweet Clover. Thrifty buyers are always looking for an offer in Sweet Clover like Lot "Noble." Quality and not higher price, is what counts. I want our customers to have the advantage of early purchases. Sweet Clover stocks are not large. Dealers are scrambling for character seed like Lot "Noble." This lot is a bargain. Not as fancy looking as Lot Cream, White Sweet Clover, described above, but it is a close second. We have sold thousands of bushels of Lot "Noble" the past several years with utmost satisfaction. We guarantee it satisfactory, or money refunded. It's a smooth lot at a low price. Buy now.

GREAT SWEET CLOVER BARGAIN

Lot "GOOD LUCK"
\$10.50 per bu.

Recleaned and Scarified—60 lb. bu.

I am still holding down our prices on Sweet Clover although there has been an advance during the fall of the year. Lot "Good Luck" is priced extremely low. This Star bargain is described on Page 9 of our Star Catalog. We have been selling this blended lot of Sweet Clover for several years and it has made us a lot of friends. Lot "Good Luck" has been scarified, recleaned and has a good germination. For pasture, hay or a fertilizer crop it's a good buy. It's northern grown.

Lot "Good Luck" is not fancy looking, but it has a lot of merit. Seeds are not so uniform and it contains some smaller seeds. There is also a percentage of Yellow Blossom Sweet Clover in this lot which brings down the price. Sow the same amount per acre as the higher priced seed. On account of the seeds being smaller, when sown at the rate of 15 pounds per acre, you put about 80 seeds on every square foot; more than enough for a good stand. We sell this lot on our Money Back Guarantee. Order now. The Sweet Clover market is strong.

Lot "GREAT" \$37.40 bu. (60 lbs.)**HARDY DAKOTA No. 12 TYPE ALFALFA****NORTHWESTERN GROWN 99¼% PURE**

Lot "Great" is an outstanding value in high grade Alfalfa. This seed was produced in Eastern Washington just across the line from Northern Idaho and we recommend it as being just as hardy as the Idaho origin. It is one of the fanciest lots of Alfalfa seed we have seen this year and we guarantee that you will be entirely satisfied with seed of this quality. Lot "Great" is free from all bad weed seeds, has been doubly recleaned, and has a germination of 90% including the hard seed.

The Dakota No. 12 types of Alfalfa usually produce just as heavy as the grimm and many farmers prefer this type since it seems to recover more rapidly from cutting and the quality of hay seems to be a little better. It can be grown in any of the midwestern or northern states.

Alfalfa supplies are short and this beautiful lot of seed will not last long at this price.

Alfalfa at Low Cost**Lot "GRAND" \$25.80****Good Hardy Alfalfa—U. S. Grown**

This is a big value at a low price. We have been selling this grade for fifteen years. It must give good satisfaction for we have many repeat orders. This lot offered on page 13 of our Star Catalog. The origin of Lot "Grand" is recognized as hardy Alfalfa. It is genuine hardy Corn Belt Stock. Is priced low for anyone who wants results and not looks.

Why is the cost so low? It is a matter of the appearance of the seed. Some of the seed is not as large and high colored as the higher priced seed. Lot "Grand" has produced some mighty fine fields of Alfalfa. Sown at the rate of 15 or 16 pound per acre, it will produce a fine crop. It contains some small seeds which make a whole lot more seeds to the pound. This lot sold subject to Guarantee on page 4. Lot "Grand" is a grand value.

Folks, take advantage of present prices. Stocks are small and market strong.

LOT NORTHERN**CANADIAN VARIEGATED TYPE****99% CROP PURE \$27.90 bu. (60 lbs.)**

Here is a wonderful bargain in Alfalfa seed. Hardy Northern Alfalfa is always in big demand. Our Lot "Northern" is guaranteed to pass any State Seed Law. No bad weeds in this lot. Has a total crop purity of over 99%, including less than 2% other crop seed which is mostly redclover and sweet clover. There are some discolored and weather stained seeds, however, the germination is good. This outstanding value will actually save you \$3.00 to \$5.00 per bu. on your alfalfa seed purchases. This seed is moving fast and will not last long at this low price. If you want extra-hardy seed at a rock-bottom price Lot "Northern" will fill the bill. Order now!

Northern Grimm Alfalfa **PINNACLE BRAND \$38.50 bu.**

99 $\frac{1}{4}$ to 99 $\frac{1}{2}$ % Pure—In Sealed Bags

Our Pinnacle Brand is top quality. Not a kick in a thousand orders from customers who buy our Pinnacle Brand. It strikes the eye of the most critical buyer. Our Pinnacle Brand Northern Grown Grimm Alfalfa has been popular with thousands of our customers for over 20 years on account of its winter hardiness. This seed is grown where the winters are extremely cold. This seed will stand a lot of punishment under adverse weather conditions. It is crop insurance to spend your money for our Pinnacle Brand Northern Grimm. We save the records to prove its northern origin. We don't care where you live. It's adapted for your territory. We bought this seed direct from the producing territory. Our direct-to-you price is bound to save you money. We challenge any competitor to question the quality of this seed. Save \$2.00 to \$3.00 per bushel. Send in your order now.

WESTERN GROWN ALFALFA

Pinnacle Brand Arizona \$26.40 bu. (60 lbs.)

99 $\frac{1}{2}$ % Pure—High Germination—Noxious Free

This is the Chilean type Alfalfa and should not be confused with southern Peruvian Alfalfa which is not hardy in the corn belt and northern states. This is the same type of Alfalfa and has same appearance and growth as the Alfalfa you have been growing. This western Alfalfa is considered to be just as hardy or more so than Argentine Alfalfa. Many farmers ask us for Argentine like they have been growing. This Chilean type Arizona Alfalfa is real high quality. The germination is 90% or better including the hard seeds. We bought this seed when the price was \$4.00, hundred below today's market. Some farmers buy one bushel of this Alfalfa and mix it with one or two bushels of northern Alfalfa.

Dakota No. 12 Type **PINNACLE BRAND \$37.90 bu.**

99 $\frac{1}{2}$ % Purity—90% Germination—Noxious Free

This hardy northern grown high grade Dakota No. 12 Alfalfa is heavy yielding type. Thousands of our customers have been buying Dakota No. 12 for many years. We do not get one complaint in two thousand orders from customers who buy this seed. Many claim it is just as hardy as Grim Alfalfa and produces as much. This Alfalfa was grown under severe winter conditions. It is free from noxious weeds. Has large, plump, high colored seeds that will please the most critical buyer. Save \$2.00 to \$4.00 and buy this lot. Buy Dak. 12 now.

Corn Belt Alfalfa **PINNACLE BRAND \$35.75 bu. (60 lbs.)**

99 $\frac{1}{4}$ to 99 $\frac{1}{2}$ % Pure—91% Germ. with Hard Seeds.

This is the same fine quality you have been buying for the past 15 years. Large plump berries and high color. Well adapted for the corn belt territory. This price saves the middleman's profit. See page 12 in our 1949 Catalog for more information.

SAVE ON GRIMM ALFALFA

Another Big Grimm Bargain Lot "ROCK BOTTOM" \$28.80 bu.

Northern Grown—U. S. Origin—60 lbs. bu.

The low price on this lot of Grimm Alfalfa will enable you to sow Grimm this year. The seed is not as large and plump or as high colored as the high priced seed, but it is a real big value for the buyer. Some of the seeds are smaller and there are a whole lot more to the pound. Possibly 30 to 40% more seeds. This makes more plants to the square foot. Lot "Rock Bottom" has good purity and germination. Has been cleaned for bad weeds. Don't fool with southern grown, low priced Grimm, when you can get "Rock Bottom" at this low figure. It produces just as good a crop as the higher priced seed under normal conditions. We get many repeat orders for Lot "Rock Bottom." Not a fancy looking lot of seed as the higher priced seed but results are what count. Sold on our Money Back Guarantee. Stocks are moving fast. I suggest you order real soon. Shipped in our Sealed bags.

Northern Grown — A Super Value Lot "SEALED" \$33.90

Hardy Dry Land Grimm—In Sealed Bags

Here is a dandy value in hardy Grimm Alfalfa. You can save over \$2.00 to \$3.00 a bushel by buying Lot "Sealed." We offer this lot on inside back cover of our Star Catalog. We have to sell this lot at a big discount because it contains 2% to 2½% of other crop seed such as red clover, alsike and sweet clover. Counting this crop seed. Lot "Sealed" has a crop purity of over 99% or better. It is nice plump good colored seed and has a high germination. Has been thoroughly re-cleaned. I recommend Lot "Sealed" to my friends to be worth more than we are asking. Order Lot "Sealed" and if you do not think it worth the money, ship it back. We will refund all the money you paid out for seed and freight and give you an extra dollar. You'll like Lot "Sealed" Grimm Alfalfa. This class of seed moves fast. Order now.

GRIMM ALFALFA

Idaho-Montana Grown

PINNACLE BRAND \$39.50 bu. (60 lbs.)

Super Hardy—99½% Pure—In Sealed Bags.

We offer this Grimm Alfalfa to our customers who demand the best and finest alfalfa. It has a total germination including hard seeds of 90% or better. It is free from noxious weeds. This Alfalfa was grown under extreme winter hardy conditions. The superior qualifications of this Alfalfa make it a good value. It's crop insurance to sow this high grade seed. Only 600 bushels of this lot left, so order as soon as possible. Inoculation Free with a 2 Bu. order.

GRIMM ALFALFA

Lot "LIBERTY" \$31.20 bu.

This is hardy northern Grimm shipped in sealed bags. Contains some discolored seeds due to weather. Has some small sized seeds. Contains some other crop seeds or clovers. Has total crop purity of 98½ to 99%. See page 14 in our 1949 Catalog for full description.

EARLY STRAIN

Korean Lespedeza \$3.70 per bu. (25 lbs.)

Also Known as Lespedeza Strain No. 19604

Grows Tall—Matures Earlier

This strain of Lespedeza can be grown farther north with better success than the regular Korean. It matures quite a bit earlier. Being earlier, it has a better chance to mature seed and reseed itself and provide a cash seed crop. Early Korean is an annual and if sown fairly early in the spring will mature seed in the fall. Mr. Miner of Christian County, Illinois, (in the central part of the state) is one of the pioneer growers of this early Korean in the state of Illinois. Mr. Miner reported this early strain made a growth of two feet during a dry summer. He claims it has yielded as much as 900 lbs. of good seed per acre. This has also been sold as Early Giant Korean.

Early Strain A Profitable Crop

Grows on thin land without lime. Stands heat and drought. In latter part of June and in July and August, this early Korean produces pasture when other grasses are fading out. Makes very fine hay. Has a leafy growth and almost equal to Alfalfa in feeding value. Sow this early maturing strain No. 19604 farther north. Many testify it is the best.

Method of Seeding

Can be sown broadcast or drilled. Sow on a good firm seed bed. Do not cover seed much. A very light covering is the best. You can sow seed on top of ground where you have a fall grain crop. After sowing, roll the land. When sown with spring grains roll the ground. Sow about 12 to 15 lbs. per acre. For a seed crop some sow about 5 lbs. per acre, in rows and cultivate it. It may be sown in early spring in old worn out pasture, using 6 to 8 lbs. per acre. We have fancy re-cleaned seed. Be the first to grow it in your neighborhood. This crop will make you real money.

Serica Lespedeza

A Tall Grower—A Perennial

This type grows much taller than Korean. Is very leafy. Grows without lime. Is drought resistant. High feeding value. Is better for hay. Has lived over winters in latitude of the southern part of Wisconsin and Michigan.

Sericea grows slowly the first year, sending up a single stem. It throws out more stems from the crown each year. The strong tap root of Sericea penetrates the stiffest soils. It branches out and loosens the heaviest soils.

Sow only scarified seed. Does not stand as much frost as Korean. Sow late in the spring, about April 10th to 20th if weather and soil conditions are satisfactory. Sow about 8 or 10 lbs. per acre. Sow on solid seed bed. Just barely cover the seed. Good plan to sow and just use roller. See page 12 in our Star Bargain Catalog for further information.

Small lots, postpaid, 1 lb. 55c; 5 lbs., \$2.15; 10 lbs., \$3.70.

See page 12 for prices on larger amounts.

Korean Clover

Fancy Grade \$2.90 bu.

25 lbs. per bu.

Korean is a great clover for poor thin land. Requires no liming. Over half million acres grown in a corn belt last year. Frank Stephens sown here in Illinois who has been growing it for over ten years says it is a life saver for the man with a worn out farm. Sown in early spring will reseed itself in the fall. Will mature seed even after plants have been killed by frost. It will resist more heat and drought than other clovers or grasses. When it reseeds itself it makes a heavier and taller growth each succeeding year. Makes a great pasture or hay crop. Can be sown with other clovers or grasses. Has similar characteristics of the Early Maturing Korean.

Sow 12 to 15 lbs per acre.

SCARIFIED KOREAN LESPEDEZA

Has hull removed. Usually germinates quicker. Sow 9 to 10 lbs. per acre. Price \$8.35 bu. (60 lb.); ½ bu. \$4.25; ¼ bu. \$2.15.

No. 1 BROME GRASS

HEAVY PRODUCER—RESISTS DROUGHT

25 lbs. \$9.95; 50 lbs., \$19.80; 100 lbs. \$39.50.

Brome is one of the most valuable grasses for the livestock farmer. It is a perennial and lasts several years. During a severe drought, pastures of Blue Grass and other native grasses usually fade out, but Brome Grass keeps green and right on growing. Starts very early in the spring. Brome is more palatable than other grasses. Relished by all livestock. Brome roots go down 4 or 5 feet, yet not difficult to eradicate. The plants grow up 3 feet or more, depending on soil fertility. Stands severe winters of Canada and northern States. Does well on most any kind of soil. Is used extensively for the prevention of soil erosion.

Brome is a Superior Grass and Money Maker

It has about the same percentage of nutritive elements as alfalfa. The carrying capacity of Brome is almost double that of Blue Grass or other native grasses. When Brome is sown with alfalfa or clover, it is more palatable than other grasses and is readily eaten by livestock, the same as the alfalfa and clover. If your land will not grow alfalfa, sow 3 or 4 lbs. Red Clover or Alsike with the Brome. Some add one pound Ladino per acre with the Brome.

More Facts About Brome Grass

Experiment Stations have been recommending Brome Grass as a valuable grass. They advise sowing alfalfa or other legumes with Brome. They have found by sowing about 3 or 4 pounds of alfalfa with about 15 or 16 pounds of Brome per acre, it increases the hay tonnage around 25 per cent over straight Brome Grass. States from Nebraska to New York State, all recommend Brome, and Brome and legumes mixed.

For a pasture, some farmers add sweet clover to their mixture of Brome, Alfalfa and other Clovers. A brome legume combination will care for more livestock per acre than any straight grass or mixture. Never any trouble with livestock bloating when a good percentage of Brome is in the pasture.

For A Good Stand

Prepare a good solid seed bed as you would for alfalfa. Brome is light seed and does not feed readily through a drill. Mixing some cracked corn, oats or sand with the Brome and keeping it stirred, act as an agitator in working it through the drill or seeder. Some use an end gate seeder. Some sow by hand on a still day. Cover seed lightly, about $\frac{1}{2}$ to $\frac{3}{4}$ inch deep. If possible, roll after seeding. It is slow in starting and does not make a big showing the first year. Best results are obtained by sowing with some alfalfa or clover.

MOUNTAIN BROME — Fast Growing

25 lbs. \$8.30; 50 lbs. \$16.45; 100 lbs. \$32.80.

We recommend using mountain brome with new strain and northern. It makes a good growth the first year and its maximum production is reached during the second year. The new strains start slowly and will eventually crowd the mountain brome out. Mountain brome is eaten readily by all livestock and the feeding value is just as high as the new strains.

NEW STRAIN BROME

25 lbs. \$10.65; 50 lbs. \$21.20 100 lbs. \$42.25.

The New Strains of Brome, sometimes called southern brome are very short in supply this year. Stocks are very limited and in order to conserve supplies and to stretch the available seed as far as possible we strongly recommend planting in combination with Mountain Brome. For more detailed information concerning New Strain Brome see page 16 of our Star catalog.

BROME AND ALFALFA MIXTURE

\$42.50 per cwt.—50 lbs. \$21.30.

68% Brome Grass (34 New Strain and 34% Mountain).. 32% Alfalfa (Extra fancy Western and Northwestern origins). A wonderful pasture and hay mixture that will really cut your seeding costs. Supplies limited. Plant 12 lbs. Brome and 6 lbs. Alfalfa per acre.

Money-Saving Prices — Use these prices in ordering

PRICES SUBJECT TO CHANGE LATER. SEED MARKETS ARE FIRM.
Prices F. O. B. CHICAGO, BAGS FREE.

ALFALFA—60 lb. per bu.

All Domestic Grown (Except Argentine)

	1 Bu.	½ Bu.	¼ Bu.
Pinnacle Brand, Argentine, 99¼% pure	\$24.40	\$12.25	\$ 6.20
Pinnacle Brand Western or Arizona	26.40	13.25	6.65
Pinnacle Brand, Okla. Approved, 99¼% pure	35.30	17.70	8.90
Lot "Grand" Hardy Corn-Belt (page 7)	25.80	12.95	6.50
Economy Brand (Choice) Corn-Belt	29.60	14.85	7.45
Universal Brand (Fancy) Corn-Belt	34.00	17.05	8.55
Pinnacle Brand (Extra Fancy) Corn-Belt	35.75	17.90	9.00
Lot "Great" Dakota No. 12 Type, Northwestern Gr. (page 7)	37.40	18.75	9.45
Dakota No. 12, Pinn. Brand, Northern Grown (page 8)	37.90	19.00	9.55
Grimm (Pinnacle Brand) Northern Grown	38.40	19.25	9.65
Grimm, Pinnacle Brand, IDAHO-MONTANA Grown	39.50	19.80	9.95
Cossack (Pinnacle Brand) Northern Grown	39.60	19.85	9.95
Ranger, Blue Tag State Certified	61.80	30.95	15.55

HARDY NORTHERN MEDIUM RED and MAMMOTH RED CLOVER

Lot "Amaze"—25% Timothy, 50 lb. bu. (page 3)	\$22.40	\$11.25	\$ 5.70
Utility Brand (Choice) 60 lb. bu. Contains 4% Crop	28.40	14.25	7.20
Universal Brand (Fancy) 60 lb. bu.	32.80	16.45	8.25
Pinnacle Brand (Extra Fancy) 60 lb. bu.	34.50	17.30	8.70
Pinnacle Brand, IDAHO Grown, 99¼% pure	35.80	17.95	9.00
Lot "Pride" MAMMOTH—with 2 to 3% other clovers, 60 lb. bu.	30.40	15.25	7.65
Utility Brand (Choice) 97½% pure, 60 lb. bu.	29.40	14.75	7.40
Pinnacle Brand (Extra Fancy) 60 lb. bu.	34.60	17.35	8.70

ALSIKE CLOVER—Northern U. S. Grown—60 lb. bu.

Economy Brand (Choice)	\$20.50	\$10.30	\$ 5.20
Universal Brand (Fancy)	22.15	11.10	5.60
Pinnacle Brand (Extra Fancy)	23.40	11.75	5.90
Pinnacle Brand (Extra, Fancy) IDAHO grown, 99¼% pure	24.40	12.25	6.15

SWEET CLOVER—60 lb. bu.—Scarified

Utility Brand Sweet Clover, Hulled	\$10.30	\$ 5.20	\$ 2.65
Economy Brand Sweet Clover, Hulled	11.25	5.70	2.90
Universal Brand (Fancy) Sweet Clover, Hulled	12.00	6.10	3.10
Pinnacle Brand (Ex. Fancy) Sweet Clover, Hulled	13.40	6.75	3.45
Yellow (Economy Brand) Hulled	10.50	5.80	2.95
Yellow (Universal Brand) Hulled	11.40	5.75	2.95
Yellow (Pinnacle Brand) Hulled	12.50	6.30	3.20
Hubam Annual Type (Fancy)	17.95	9.00	4.55

OTHER CLOVERS

Korean Lespedeza (Fancy) 25 lb. bu.	\$ 2.90	\$ 1.50	\$.85
Korean Lespedeza, Scarified, 60 lb. bu. (goes 1/3 further)	8.35	4.25	2.15
Korean, Tall Early Strain, 19604, 25 lb. bu.	3.70	1.90	1.00
Sericea Lespedeza (Perennial) 60 lb. bu.	18.60	9.35	4.70
White Dutch Clover (Fancy) 60 lb. bu.	55.80	27.95	14.05
Cri. lot or Giant Incarnate Clover, 60 lb. bu.	19.80	10.00	5.10
Ladino Clover, Extra Fancy, 60 lb. bu. Inspected	132.00	65.70	32.90
Ladino Clover, Certified, 60 lb. bu.	156.50	78.30	39.20
Ladino Clover, Fancy, contains 8% Alsike Clov., 60 lb. bu.	106.80	53.45	26.80
Birdsfoot Trefoil—Broadleaf 60 lb. bu.	63.60	31.85	16.00

TIMOTHY—TIMOTHY and CLOVER MIXTURES,

45 lb. bu., Northern Grown

	1 Bu.	½ Bu.	¼ Bu.
Timothy, Economy Brand (Choice)	\$ 9.00	\$ 4.55	\$ 2.35
Timothy, Universal Brand (Fancy)	9.50	4.80	2.50
Timothy, Pinnacle Brand (Extra Fancy)	9.95	5.05	2.60
Timothy and Alsike Mixed, Royal, 19-21% Alsike	11.40	5.75	2.95
Timothy and Red Clover Mxd., Standard, 15-16% Clover	11.60	5.90	3.05
Timothy, Alsike & Red Clover Mxd., Major, 20-21% Clovers	12.00	6.10	3.10
Timothy and Red Clover Mxd., Richer, 25-26% Clover	12.90	6.50	3.30
Alfalfa, Red Clo., Als. & Tim., Big 4 Mixt., 29-31% Clo. & Alf	11.95	6.05	3.10
Red Clover and Timothy, 50% Clover	16.00	8.10	4.10
Timothy, Alfalfa, Alsike and Ladino, Lot "Supreme"— 21% Clov. and Alf.	13.95	7.00	3.60
America's Best Mixture, 50% Clovers	11.40	5.75	2.95

GRASSES for HAY and PASTURE

	100 lb.	50 lb.	25 lb.
Kentucky Blue Grass, Pinnacle Brand (Ex. Fcy.)	\$64.00	\$32.10	\$16.10
English Blue Grass (Meadow Fescue)	22.75	11.40	5.75
Brome Grass, Extra Fancy, Northern No. 1	39.50	19.80	9.95
Brome Grass, New Strain	42.00	21.15	10.65
Mountain Brome Grass, (Fast Growing see page 11)	32.80	16.45	8.30
Orchard Grass (Fancy)	35.00	17.55	8.85
Red Top, Lot "TOP"—with Timothy	38.80	19.45	9.80
Red Top, Pinnacle Brand (Ex. Fcy.) Suggest use Meadow Fescue	68.00	34.10	17.10
Domestic Rye Grass (Fancy)	14.50	7.30	3.70
Reed Canary Grass (Phalaris)	56.00	28.10	14.10
Alta Fescue—Kentucky 31 Type	51.00	25.55	12.85

GRASS MIXTURES and FORAGE CROPS

Beat-Em-All Mixture	\$18.80	\$ 9.45	\$ 4.75
Gold Mine Clover Mixture (page 17)	29.30	14.70	7.40
Economy Pasture Mixture	24.90	12.50	6.30
Perfection Pasture Mixture	36.00	18.10	9.10
Brome—Alfalfa (68% Brome, 32% Alfalfa) page 11	42.50	21.30	10.70
Annual Hog Pasture Mixture	8.00	4.10	2.10
Dwarf Essex Rape	16.75	8.40	4.25
Billion Dollar Grass	8.90	4.50	2.30
Sudan Grass, Regular	9.60	4.85	2.50
New Sweet Sudan Grass	11.00	5.55	2.85

SEED OATS—32 lb. bu.—See page 20-21

	3-9 Bu.	10-24 Bu.	25-45 Bu.
Clinton 59, CERTIFIED—Improved	\$ 2.60	\$ 2.55	\$ 2.50
Clinton—CERTIFIED—Discolored, 94% Germ	1.70	1.65	1.60
Mindo—CERTIFIED—Early Variety	2.00	1.95	1.90
Benton—Certified	2.00	1.95	1.90
Clinton and Mindo, grown from Certified Seed	1.50	1.45	1.40
CERTIFIED Beaver, Heavy Northern	2.50	2.45	2.35

OTHER SEED GRAINS and BUCKWHEAT

	2-6 Bu.	7-12 Bu.	13-24 Bu.
Speltz, 40 lb. bu.	\$ 2.10	\$ 2.05	\$ 2.00
Thatcher Type Spring Wheat, Beardless, 60 lb. bu.	3.35	3.30	3.25
Mida Spring Wheat, Bearded, 60 lb. bu.	3.40	3.35	3.30
Certified Montcalm Barley, 48 lb. bu.	3.50	3.45	3.40
Wisconsin 38 or Velvet Type Barley, 48 lb. bu.	2.60	2.55	2.50
BUCKWHEAT, 48 lb. bu.	3.25	3.20	3.15

SOY BEANS and FIELD PEAS—60 lb. bu.

	2-6 Bu.	7-12 Bu.	13-24 Bu.
CERTIFIED Hawkeye	\$ 5.60	\$ 5.55	\$ 5.50
Certified Lincoln	3.85	3.80	3.75
Lincoln, Non-Certified	3.60	3.55	3.50
Richland, Early	3.65	3.60	3.55
Black Kingwa or Virginia—Hay Beans	3.70	3.65	3.60
FIELD PEAS—Canadian Type	6.00	5.95	5.90

FORAGE CROPS and VETCHES

	5 Bu.	1 Bu.	½ Bu.
Cane, Rox Orange, Early, Sweet—50 lb. bu.	\$ 3.45	\$ 3.50	\$ 1.85
Cane, Amber Type, 50 lb. bu.	3.40	3.45	1.80
Atlas Sorgo, Grown from Certified Seed, 50 lb. bu.	3.45	3.50	1.80
Norkan, Sweet Stalk, Early, 50 lb. bu.	3.35	3.40	1.75
Hegari Type, Sweet Sorgo, 50 lb. bu.	3.35	3.40	1.75
Milo, Combine Type, 56 lb. bu.	3.35	3.40	1.75
Kaffir Corn, Grain Sorgo, 56 lb. bu.	3.30	3.35	1.75
Winter, Hairy or Sand VETCH, 50 lb. bu.	13.20	13.25	6.65
Spring VETCH, 50 lb. bu.	6.90	6.95	3.55

MILLETS

	5 Bu.	1 Bu.	½ Bu.
Japanese, 35 lb. bu. (Grown in U. S.)	\$ 3.15	\$ 3.20	\$ 1.65
Golden or German Type, 50 lb. bu.	3.95	4.00	2.05
Proso or Hog Type, 50 lb. bu.	3.05	3.10	1.60
Hungarian Type, Fine Hay, 50 lb. bu.	3.45	3.50	1.80
White Wonder Type, 50 lb. bu.	3.65	3.70	1.90

HYBRID SEED CORN—56 lb. bu.

	1 Bu.	½ Bu.	¼ Bu.
American's 813, 615, 405, 444—Flat Grains	\$ 9.00	\$ 4.55	\$ 2.35
American's 813, 615, 505, 444—Round Grains	7.00	3.55	1.85
U. S. 13, Ind. 620, Ohio C-92—Flat Grains	8.50	4.30	2.20
U. S. 13, Ind. 620, Ohio C-92—Round Grains	6.50	3.30	1.70
Wisconsin 464, Wis. 606, Wis. 641—Certified Flat Grains	9.00	4.55	2.35
Wisconsin 464, Wis. 606, Wis. 641—Certified Round Grains	7.00	3.55	1.85
American's 425 or 825, Flat Grains—Sensational	12.50	6.30	3.20
American's 425 or 825, Round Grains	9.75	4.95	2.55
Hi-Yield Blend Hybrid, Long Rounds or Regular Rounds	4.75	2.90	1.50
Ensilage Blend, Long Rounds or Regular Rounds	5.25	2.65	1.35

OUR CLOVER AND TIMOTHY MIXTURES A BIG SUCCESS

Thousands of our customers order our mixed seeds every year. We have received thousands of testimonials telling us of the fine crops obtained from sowing our mixtures and the money saved. Many report a savings of 20 to 25%. We handle many carloads each year. We buy a lot of these mixed seeds that are harvested mixed. In certain sections of northern states Timothy and Alsike Clover is grown together. In many sections Timothy fields contain a small percentage of Red Clover. We buy these mixed seeds at a large discount under the market. This savings is passed on to our customers.

TIMOTHY and ALSIKE Mixed

Lot "ROYAL" \$11.40 bu.

Bu. (45 lbs.) U. S. Grown

Contains 19% to 21% Alsike

Thousands of our customers testify for this mixture. It is a wonderful combination for hay and pasture. Easy to get a stand. Alsike will grow on poor soil. It is well adapted to wet land. This mixture makes a very desirable hay crop. Quality of hay is unusually fine. Has a high feeding value. Alsike and Timothy mature at same time. One is beneficial to the other.

This is a heavier mixture than we have sold in past years. Alsike Clover seeds are smaller than Red Clover and goes farther. In sowing 10 to 11 pounds of this mixture per acre, you have 30 to 40 Alsike seeds in every square foot in addition to the Timothy. It is all thoroughly recleaned and tested for purity and germination. Order early while only stocks are the best.

RED CLOVER and TIMOTHY MIXED

Fifty-Fifty Mixture \$16.00 bu. (45 lbs.)

This rich mixture contains over 50% Clovers. All hardy recleaned domestic grown seeds. Our Fifty-Fifty mixture will suit any farmer who wants a good rich mixture of Clover. It makes an ideal hay or pasture crop. Is a good soil builder. Will grow on most any kind of soil. The Clover puts Nitrogen in the soil. This mixture is economical to sow. Use $7\frac{1}{2}$ to 9 pounds per acre. Costs around \$2.50 per acre to sow. When sown 8 lbs. per acre you would put between 20 and 25 Clover seeds and over 70 Timothy seeds on every square foot. This is good clean seed, thoroughly recleaned and ready to sow. Will produce a heavy growth. Has high germination as the test tag will show on the bag. This Fifty-Fifty Mixture sold subject to your approval. It makes an economical seeding.

Timothy and Red Clover

"STANDARD GRADE" \$11.60 (45 lbs.)

Contains 15% to 16% Clover

This is our lowest price mixture. Costs just a little more than straight Timothy. Is hardy U. S. grown recleaned seeds. Many farmers like a mixture of this kind. Sow 10 to 11 lbs. per acre. You get about 12 to 14 Clover seeds per square foot in addition to the Timothy seeds. There is enough Clover to store lots of nitrogen in the soil. If you want more Clover, see our Richer Grade offered on the back of this book. It will make a clover growth that will surprise you.

Cut 1-3 to 1-2 off Your Grass Seed Bill

**Timothy, Alsike and
RED CLOVER MIXED
Lot "MAJOR" \$12.00 bu. (45 lbs.)**

About 20 to 21 % Clovers

Northern U. S. Grown

Here is a very fine mixture. A lot of customers demand a mixture of this kind. It makes a marvelous seeding for hay or pasture. Has a heavy percentage of Clovers yet the price is low. If you are short of cash and have to be conservative, buy Lot "Major." It will produce a crop that will surprise you. When this mixture is sown at the rate of 11 to 12 pounds per acre there are 30 to 40 Clover Seeds on each square foot besides the Timothy seeds. The germination is high and we guarantee Lot "Major" to be satisfactory or money refunded. You can make your dollars go further by buying this triple mixture. Is adapted northern grown seed.

CUT YOUR SEED BILL IN HALF

How can we do it? We buy many cars of Timothy in the country that contains quite a percentage of Alsike Clover and a little Red Clover. We buy this mixed seed at a discount under its real value. All of the Clover cannot be cleaned out. We often blend more Alsike and Red Clover to make the right proportion. We bought most of this seed last fall. If we bought it on today's market, the price would be higher.

We sell thousands of bushels of this mixture every year. Repeat orders from the same customers is evidence this is a good combination. This mixture helps the soil. The Clovers make a heavy growth and are supported by the Timothy. Makes an economical seeding. A bushel makes a heavy seeding on 4 acres. Does not cost much more than straight Timothy, but worth 50% more to you. Seed markets are strong. We suggest ordering as soon as possible.

SUPREME MIXTURE

\$13.90 Bu.
45 lbs.

21%—22% Clovers

\$13.90
5 Bu. or More

Contains: Alfalfa, Alsike, Ladino and Timothy

Many farmers write us asking if we have a hay and pasture mixture which contains Ladino Clover. Due to these many requests we offered our Lot "Supreme" this year for the first time and hundreds of our customers were quick to recognize this outstanding value. Our Lot "Supreme" contains nothing but seed of high quality; enough clovers when the mixture is planted 10 lbs. per acre to put 9 alfalfa and alsike seeds and 6 Ladino seeds on every square foot! In addition to cutting down your seeding costs, Lot "Supreme" will produce a highly nutritious hay mixture. It contains enough Timothy to eliminate any danger of livestock bloating when pastured. We do not believe that you can beat this value anywhere.

OUR PERFECTION MIXTURE

Pasture and Meadow \$18.00 bu. (50 lbs.)

This mixture is a combination of grasses that will produce an excellent permanent pasture or meadow. Contains Orchard Grass, Bromus (Brome Grass) Kentucky Blue Grass, Reed's Canary Grass, Red Top and Timothy. Sow 16 to 20 lbs. per acre. Read page 18 of our Star Catalog for full description. Some of these seeds make a vigorous growth during the dry periods and others yield best in wet seasons. Is a well balanced mixture lasting for several years. This mixture is composed of good clean seeds. Some of our customers want clovers in a mixture of this kind. Some have their own clovers and it is all right to mix a little clover in with this mixture.

AMERICA'S BEST MIXTURE

The Bumper Hay Producer

SAMPLE ENCLOSED

1 bu. \$11.40—5 bu. \$56.75 (45 lbs. per bu.)

Without question our America's Best Mixture is the heaviest producing grass combination we ever offered. It combines the heaviest producing legume crops such as Red Clover, Mammoth Clover, Sweet Clover, Alfalfa and Alsike and Timothy so as to give a balanced seeding. Timothy mixed with the legumes increases the yields and helps aid the quick curing after cutting. We can recommend it to you as the heaviest producing mixture we have to offer, either for hay or pasture.

Over 50% Clovers—Priced Very Low

While this mixture contains fully half Clovers, already described, it is still priced at a low figure so that everyone can use it. In fact, considering the amount of Clovers in it, we believe it is the cheapest mixture on the market today. It makes a satisfied customer wherever used. Excellent to sow in old pasture or new.

When buying this mixture you save materially on your seed bill and have the seed all bulked evenly and ready to sow. This mixture has made many new friends for us and this year we want to sell a far larger number of our friends this mixture.

Best Mixture you can sow—Northern Grown

During the past few years we have received thousands of inquiries from our customers asking us if we had a mixture that contained about one-half of Clover and Timothy mixed. We knew that a mixture of this kind was well worthy of the name America's Best Mixture, as it is a combination containing over 50 per cent of the best legumes grown. This mixture contains over 50 per cent Red Clover, white blossom Sweet Clover, Alsike Clover, Alfalfa and other Clovers. A little less than 50 per cent of this mixture is a fancy grade of Timothy. Sow about 12 lbs. per acre.

High Grade Seed at Low Price

Farmers, in harvesting their Timothy for a seed crop, find that it contains too much Alsike Clover to offer it as straight Timothy. We buy this seed at the market on Timothy. We buy some lots of Alfalfa that contain a little Sweet Clover. You see how we are able to furnish you with this mixture at such a very low price. With many seed crops short this clover rich mixture makes one of the best values of the season.

Mixture Produces A Big Yield

On September 26th, Frank E. Barber, Bradford, Pa., writes: "I am sending you a card with my picture on it to show some of your America's Best Mixture hay that cut 6 tons of good hay on 2½ acres of ground."

BEAT-EM-ALL

Quick Pasture Mixture

\$4.60 bu. (25 lbs.)

If you need a quick pasture here is the mixture that will fill the bill. Can be sown fairly early and pastured in a few weeks. Has high production and feeding value. Seeding cost low. This mixture composed of Korean Clover, (described on page 10) Sweet Clover, Timothy and Rye Grass. Contains approximately one half Clovers. Requires no nurse crop. Sow very shallow. Sow 12 to 16 lbs. per acre. See page 16 of our Star Catalog for full description.

PERMANENT PASTURE

Economy Mixture

50 lbs. \$12.45—100 lbs. \$24.90

This mixture is composed of practically all grasses. Is an all around mixture at a low cost. Suitable for most any soil and climate conditions. Produces pasture or meadow that will last several years. Our Economy Mixture is a combination of Red Top, Kentucky Blue Grass, Korean Clover, Rye Grass, Timothy and Sweet Clover. Sow 16 to 20 lbs. per acre. This seed was cleaned before mixing.

LADINO CLOVER

New Giant White Clover—Heavy Yielder

This is the wonderful clover you have been reading about in Farm papers. The last two years the demand has spread across the U. S. Has been grown successfully in the New England States, New York, Pennsylvania, Michigan, Kentucky and other states. Is adapted for most any section of the country. Is recommended highly for chicken ranges. It runs close to 30% protein on a dry basis. Reports show 30 tons green feed per acre.

Ladino is similar to White Dutch Clover but grows 2 to 4 times larger than the common White Clover. Does extra well on wet ground. Is a perennial legume and lasts several years. Has creeping fleshy stems that root at the nodes and joints, sending out leafy shoots. Only sow about 1 lb., on an acre with other grasses and clovers.

Price, Postpaid: 1 lb. \$2.65; 2 lbs., \$5.15; 5 lbs., \$12.50; 10 lbs., \$24.80.

Price, Not Prepaid: 10 lbs., \$22.00; 15 lbs., \$32.90; 30 lbs., \$65.70.

Certified Ladino—Price, Postpaid: 1 lb. \$2.80; 5 lbs., \$13.75; 15 lb. bags Sealed and Certified.

Price, Not Postpaid: 15 lbs., \$39.20; 30 lbs. \$78.30; 60 lbs. \$156.50.

GOLD MINE CLOVER MIXTURE

All Clover Mixture \$14.40 bu. (50 lbs.)

A well balanced mixture at a low price. Composed of Red Clover, Alsike, Sweet Clover, Alfalfa and Korean Clover. Contains a small sprinkle of Timothy, around 3 or 4 percent. This is not old junk screenings like some mixtures offered by some dealers at a cheap price. Some of these seeds were grown mixed. Some seeds get mixed in our mill and on the shipping floor when bags get torn and seed spills out. We mix these lots together and add other clovers in right proportion to make this fine mixture. It's all clean seed. Good for hay, pasture and building up the soil. Sold on our "Money Back Guarantee." Sow 10 to 15 lbs. per acre. See Star Catalog page 6.

Lot "PURITY" TIMOTHY SEED

WHOLESALE PRICE

99.15% Pure—90% Germination—\$9.45 bu. (45 lbs.)

This is a fine lot of Timothy. Has been double re-cleaned. It's high grade seed. The price is under the market. We always offer our customers a bargain every year in Timothy and Lot "Purity" is a good buy. We guarantee it to please you.

REED CANARY GRASS

Is sometimes called Miracle Grass. Is a wonderful permanent grass. Grows on extremely wet soil or overflow land. Also withstands drought amazingly well. On low wet land where other crops are a failure Reed Canary Grass yields a heavy crop of hay. Thousands of acres of wet almost worthless land in Minnesota and Wisconsin have been reclaimed by this profitable crop. It thrives on poor soil. It grows early in the spring until late in the fall. Grows 4 to 6 feet high.

Has produced up to 3 to 5 tons of cured hay per acre from two cuttings. Has excellent protein content. Is valuable for preventing soil erosion. Makes a strong sod on low wet land. Grows anywhere except in extreme southern states.

How to Grow This Crop

A good firm seed bed is the best. Use 6 to 8 pounds per acre. A light covering is the best. About $\frac{1}{4}$ to $\frac{1}{2}$ inch is plenty. If ground is moist you can sow it on top of ground without covering it. There is money in the seed crop. Yields 100 to 300 lbs. or more seed per acre. Write for Free Circular on Reed Canary Grass.

Price—25 lbs., \$14.05; 50 lbs., \$28.00; 100 lbs., \$56.00.

SWEET SUDAN GRASS

A NEW SENSATIONAL CROP

Price—\$5.55 Bu. (50 lbs.) \$11.00 per 100 lbs.

This sweet, juicy, nutritious grass was developed recently through crossing, back-crossing and selection. In 1944 was the first year enough seed was available to plant acreage to produce seed in commercial quantities. More seed is now available, but not enough to supply the rapidly increasing demand. It grows anywhere.

Livestock Prefer Sweet Sudan to Alfalfa

This may sound like sales talk, but anyone who has grown this wonderful crop will verify this statement. Here is what a large farm and livestock owner in the southwest says: "The results from the eighty acres of Sweet Sudan I planted this May and June, are very surprising to me. My dairy cattle have invariably eaten the Sweet Sudan into the dirt before touching the Alfalfa or any of the grasses and clovers in the permanent pastures. My herdsman reports an immediate increase in milk flow when he moved cows from alfalfa feed to Sweet Sudan." This is surely proof for recommendation.

A farmer in the southwest has the following to say about this new crop: "About cattle or sheep preferring Sweet Sudan Grass in preference to Common Sudan, has certainly been borne out by our experience. You just can't keep them away from it." Another farmer said from his experience Sweet Sudan is worth three or four times as much as other Sudan or forage crops.

More Livestock on Less Acres

Sweet Sudan has more and broader leaves; heavier and taller stalks. It stools much heavier than the Common Sudan. Is a little later and coarser than the Common; thereby, producing more growth and remaining green and growing longer than Common Sudan. This means more grazing. As it is more juicy, sweet and palatable, livestock will eat it faster and consume more of it in a shorter period. This increases both milk and meat production.

A Great Hay and Pasture

You can pasture a larger number of cows on a smaller acreage in order to hold it down. It stands lots of dry weather. Grows when other grasses are dormant. It makes excellent hay, bundled loose or baled. Sow Sweet Sudan 15 to 20 lbs. per acre.

SUDAN GRASS, THE MIRACLE CROP—SPRING SPECIAL

50 lbs. \$4.80—100 lbs. \$9.60—500 lbs. \$47.50

It puts all other forage crops in the shade. Sudan will not back up for any crop grown for a summer feed.

When your pastures are getting short and your feed supply is getting low along toward the latter part of July and August, Sudan grass can be depended upon to pull you through. Most any kind of stock will eat it, but it is especially relished by horses and cattle.

Quick Summer Profit

It is mighty profitable to sow a patch of Sudan if it is too late to sow any other hay or grain crop. While it is best to sow about cornplanting time or a week later, Sudan can be grown with wonderful results as late as the middle of July. When sown during the month of May, it will produce a crop of hay running from five to eight tons in about six or seven weeks. A nice big crop of green hay would come in mighty handy about this time. It is good practice to cut as soon as the heads begin to appear. The second crop comes along much faster than the first and under ordinary conditions is ready for the second cutting in about 30 to 40 days.

Equals Alfalfa as a Milk Producer

Practically all of the thousands of farmers in a radius of 150 miles of Chicago, who supply the milk for the two and one-half million people in the great city of Chicago, grow Sudan for their dairy herd. It has been proven time and again that Sudan grass will increase the flow of milk 25 per cent to 50 per cent. This should convince you that this wonderful emergency crop should be grown by you this year. It will increase your income. Only half crop seed in 1946. Seed scarce. Order now.

BILLION DOLLAR GRASS

Also known as Japanese Millet. It makes a quick growth. Has good feeding value. Produces good quality of hay. Can be used as pasture. Do not sow too early. Any time between the first week of May to latter part of June. Makes hay crop in 65 to 75 days. Grows 4 to 7 feet high, depending on moisture. Yields high as six tons per acre. Can be sown farther south than Sudan. Makes a cheaper seeding. Sow 20 to 25 pounds per acre. Our seed is very fine quality.

Price—50 lbs., 4.50; 100 lbs., \$8.90; 500 lbs., \$44.00

CERTIFIED HAWKEYE SOYBEAN

A new variety—The talk of the Middlewest

Hawkeye soybeans are the most sensational soybean produced in many years. Nice medium large, yellow, heavy producing beans, similar to the Lincoln, but earlier. Matures as far north as Central Wisconsin and Michigan. Contains more oil than other varieties. The Hawkeye beans were first released by the Illinois and Indiana Certifying Agencies January, 1949, to the general public.

Price: 1 to 6 Bu. \$5.60 bu; 7 to 12 Bu. \$5.55 bu.;
13 to 24 Bu. \$5.50 bu.

RICHLAND SOY BEANS—An Early Variety

Price: 1 bu. \$3.75; 2 bu. to 10 bu., \$3.65 bu.; 11 bu. to 21 bu. \$3.55 bu.

LINCOLN SOY BEANS—Medium Late—Heavy Yielders

Price: 1 bu. \$3.65; 2 bu. to 10 bu., \$3.60 bu.; 11 bu. to 21 bu., \$3.55 bu.

HAY SOY BEANS—Black Kingwa and Brown Virginia

Price: 1 bu. \$3.75; 2 bu. to 10 bu., \$3.65 bu.; 11 bu. to 21 bu., \$3.60 bu.

DWARF ESSEX RAPE

Genuine U. S. grown. We consider Rape to be one of the most valuable forage crops. As it requires only about 6 pounds to the acre, the cost of seeding is very small. It can be sown any time from early spring until the first of August. It can be sown with Oats Soy Beans, Cowpeas, or sown in Corn at the last cultivation. As a forage crop for hogs or sheep it cannot be beat. In the corn belt sections practically every farmer sows a little Rape seed for green feed. We have a fine stock of Dwarf Essex Rape and our prices are low.

Price: 25 lbs., \$4.25; 50 lbs., \$8.40; 100 lbs., \$16.75

SPRING SPELTZ or EMMER

Grows anywhere in corn belt to Atlantic Coast. Is a fine grain for all kinds of livestock. Speltz was brought to this country many years ago by immigrants from Russia and Germany. It resembles Barley and when hulls are removed, it is similar to wheat. A great drought resister. Resists rust, smut and blight. Sow about 2 bu. per acre broadcast or drilled. Has high feeding value.

Price: 1 bu., \$2.15; 6 bu., \$2.10 bu.; 15 bu., \$2.05 bu.

MIDA SPRING WHEAT

Here is a new variety that is a real sensation in spring wheat. Start growing MIDA Wheat in your neighborhood. You will find a good demand for the seed. Was developed by North Dakota Experiment Station. Has been grown extensively in that state and Minnesota the past three years.

Mida is a bearded wheat. Best to sow in spring, because the beards protect the wheat if it is an early hot summer. The grain is large, dark red in color. Is a fine milling wheat. In official tests Mida had an average yield of 33.2 bu. per acre for a four year period. Had a test weight of 60.8 pounds.

Price: 1 bu., \$3.45; 6 bu., \$3.40 bu.; 15 bu., \$3.30 bu.

CERTIFIED CLINTON 59

UNIFORM HEIGHT—UNIFORM MATURITY NEW SELECTION

Clinton 59 is the newest improved selection of the original Clinton, being introduced this year for commercial distribution for the first time. It comes from the same source as the original Clinton and retains all of the desirable characteristics of that great variety plus several new advantages which will make it a valuable addition to your seeding program for this spring.

HIGHER YIELDS

Higher yields have been obtained in comparative tests with most other varieties in Indiana, Ohio and Illinois. The grain matures at the same time which means less shattering at harvest time and less danger of spoilage from storing immature grain. The original Clinton did not mature evenly and many farmers experienced the difficulty of storing that variety without losing some of the grain due to heating. A few of the grain heads would still carry a high moisture content when combined and unless proper precautions were taken in storing much of the grain would become moldy due to this excess moisture. The Clinton 59 grows to a very uniform height which makes combining easier. It matures about one to two days before the old type D69 x Bond selections.

RAISE 59's THIS YEAR

We recommend changing to Clinton 59 this year for increased profits and higher yields. If you are still raising the old varieties of the Victoria strain such as Vieland, Tama and Boone your chances of a good oat crop this year are poor due to heavy infestations of *Helminthosporium* Blight. Clinton 59 is resistant to blight, rust and most races of smut. The small additional cost of planting will be offset by additional yields and better quality of grain. Supplies are limited.

Price: 1 to 9 Bu., \$2.60 Bu.; 10 to 24 Bu., \$2.55 Bu.; 25 to 45 Bu., \$2.50 Bu.

ASK FOR SPECIAL QUANTITY QUOTATIONS

CANADIAN
CERTIFIED

BEAVER OATS

HEAVY
NORTHERN

The Beaver oat is a selection from a cross of Erban and Vanguard and was first introduced in Canada in 1945. Since that time it has shown outstanding promise in the northern corn-belt area. In northern Illinois and Iowa it outyielded the Clinton and Benton in several tests. Reports from Wisconsin growers last year were enthusiastic. Yields in excess of 100 bu. per acre were recorded, with test weights as high as 43 lbs. per bushel.

Fine Feeding Variety

Beaver is a thin-hulled oat yet the kernel is meaty and very heavy. Most farmers who have raised it report that it is a better feeding oat than the Clinton and Benton strains. The grain is similar in appearance to the parent Vanguard, however, the Beaver is resistant to most diseases which have been a serious factor in the midwest for the past few years. The straw strength of the Beaver is similar to other new strains. It is resistant to races 1, 2, 3, 5, 7 and 12 of stem rust and is also resistant to crown rust. We recommend planting about $1\frac{3}{4}$ Bu. per acre. We have only a few hundred bushel of this variety left and we would like for every farmer in Wisconsin, Northern Illinois and Iowa to try at least a few bushel of this outstanding new oat this year.

Price: 1 to 9 Bu., \$2.50 Bu.; 10 to 24 Bu., \$2.45 Bu.; 25 to 45 Bu., \$2.40 Bu.

CERTIFIED MINDO OATS

Early Heavy Yielders

DISEASE RESISTANT

Supplies of Certified Mindos are very short, this being the first season that seed has been available for sale commercially. The Mindo was developed at the Minnesota station and is a selection from a cross of Bond x [(Mindota x White Russian) x Black Mesdag.] Bond is one of the Clinton lines, while Black Mesdag is resistant to stem rust. With these blood lines this selection is bound to be outstanding. Mindos are also resistant to Helminthasporium Blight, Race 8 stem rust and crown rust.

VERY EARLY MATURING

The Mindos are several days earlier than the Clinton and Benton, are somewhat shorter in height and stand up well for combining. They are adapted to all the Mid-western Corn Belt area. The grain is plump, thin-hulled and light yellow in color. Yields are comparable to Clinton and Benton. In a four year test in Minnesota, Mindo averaged 98.1 bu per acre.

There are many years when an early maturing oat is very desirable. If hot dry weather prevails early in the season Mindos will far surpass the larger late varieties. Grow Mindo this year for big profits by selling your crop for seed.

PRICES: 1 to 9 Bu., \$2.00; 10 to 24 Bu., \$1.95; 24 to 45 Bu., \$1.90.
Non-Certified: 3 Bu. \$1.60 Bu.; 6-15 Bu. \$1.55 Bu.; 24 Bu. \$1.50 Bu.

CERTIFIED CLINTON or BENTON

PRICES: 1 to 9 Bu., \$1.90; 10 to 24 Bu., \$1.85; 24 to 45 Bu., \$1.80.

Non-Certified CLINTON or BENTON

PRICES: 1 to 9 Bu., \$1.60; 10 to 24 Bu., \$1.55; 24 to 45 Bu., \$1.50.

MONTCALM BARLEY

New Heavy Yielding Variety

Montcalm Barley was first introduced into Canada in 1945. Last year it sold for as high as \$15.00 per bushel in this country. Farmers were fast to realize the possibilities of this sensational new variety. Yields were unbelievably high and plant characteristics were far superior to other varieties.

CHARACTERISTICS

Montcalm is a six-row, smooth awned, spring variety. Its growth is tall and erect, with a good stiff straw. It is considered as a medium-maturing variety, ripening a day or two earlier than Wisconsin 38. Test weights of the grain are usually heavier than most other varieties. It seems to be very well adapted to any area where barley is produced. It is considered equal to the O. A. C. No. 21 in malting value.

We offer both the Blue Tag Certified and non-certified quality.

Prices: Certified 1 to 10 Bu., \$3.60; 11 to 21 Bu., \$3.55; 21 Bu. or more \$3.50
Non-Certified, 1 to 10 Bu. \$2.75; 11 to 21 Bu., \$2.70; 21 Bu. or more \$2.65.

AMERICAN'S 813 115-118 days

Our 813 is really a different hybrid. Like U. S. 13 it has big, strong stalks and large single ears. It is highly drouth resistant, has a long pollination period and less ear droppage than most other hybrids. It has four of the same inbreds as U. S. 13 but in addition has a fifth inbred line which contributes added drouth resistance and deeper color. 813 is a safe hybrid to plant. It consistently produces record yields year after year. We urge all of our customers to plant 813 this year and increase your corn profits through greater yields. Matures in from 115 to 1118 days.

Flat Grades \$9.00 Bu. Round Grades \$7.00 Bu.

AMERICAN'S 615 108-115 days

Our 615 is an improvement over the old 939. It is similar in appearance but has these added advantages: (1) Longer and better shaped ears: (2) Higher shelling percentage and lower moisture content under similar conditions. (3) Less ear droppage and (4) Better feeding quality. Cattle feeders like 615 because it is softer than many other hybrids and they claim greater gains in weight per bushel than with other hybrids. Our customers who have tried 615 are enthusiastic about this number and most of them are now planting 615 regularly. It matures in about 108 to 112 days.

Flat Grades \$10.00. Round Grades \$7.50 Bu.

AMERICAN'S 405 95-100 days

We first offered 405 to our customers four years ago and since that time it has become our most popular number in this maturity class. It matures in about 95 to 100 days. It makes a fast early growth and has an extensive root system which enables it to take moisture from the subsoil during hot dry weather. The stalks are very leafy and grow to a good height. It has one good sized ear per stalk and the grain is deep and starchy. Does well on most any type of soil. We can save you money on 405 in comparison with other early hybrids. Try some this year and be convinced as many of our customers have.

Flat Grades \$9.00 Bu. Round Grades \$7.00 Bu.

INDIANA 620

Indiana 620 is a medium maturing hybrid which is an improvement over the old Indiana 608. 620 was tops in yields this year in many sections of Indiana, Ohio and Illinois. This corn can be raised successfully as far north as Northern Illinois and Indiana. Does well on both heavy and light soil types. Is drought resistant and holds its ears well, making it an ideal number for mechanical pickers. Our price is low for corn of this high quality.

Flat Grades \$8.50

Round Grades \$6.50

OHIO C-92

Although this is a comparatively old number we are offering it for the first time this year due to repeated and insistent demands of many of our customers. We consider it as a full season corn. It is about like U. S. 13 but holds its ears better and in several ways we like it more. Is especially well adapted to Indiana and Ohio. We will book your order now for shipment later and current prices.

Flat Grades \$8.50

Round Grades \$6.50

Two Great New Hybrids

AMERICAN'S 425

This is our earliest and newest hybrid. We are really proud to offer this new number to our customers because we know that wherever early corn is raised that 425 will really do the job. We only have very limited supplies of both our 425 and 825 this year, however, next year we hope to have adequate seed stocks of these two numbers. 425 is the highest yielding early hybrid we have seen and those who raised it experimentally this past year are really enthusiastic about it. We would like to have all of our customers try a bushel of 425 this year but of course this is impossible. We will take the orders as they come while available supplies last.

Flat Grades \$12.50 Bu.

Round Grades \$9.75 Bu.

AMERICAN'S 825

This is our new full season corn. We like it better than U. S. 13 and 813 in many ways. There is less lodging and it seems to be even more drouth resistant than U. S. 13. The 825 has just a slight reddish cast and the grain is deep making a very high shelling percentage. In hybrid corn it is the performance that really counts and we know that you will not be disappointed in our 825. Try it this year. We will fill orders as we receive them while supplies last. The quality of all of our seed corn this year is the best we have seen in several seasons.

Flat Grades \$12.50 Bu.

Round Grades \$9.75 Bu.

WISCONSIN HYBRID CORN

All Certified Blue Tag

Price: Wis. 464—Wis. 606—Wis. 641AA;

Flat Grains \$9.00; Rounds \$7.00.

WISCONSIN 464: Early maturing 100 day variety. Has a nice smooth ear about 10 inches long. Is a showy corn. Wis. 464 fills well. Has large stalk for an early corn. Will mature as far north as central Wis. and Michigan. Is a heavy yielder.

WISCONSIN 606: Matures in about 105 to 110 days. We have been selling this variety for over 8 years and have not had a complaint. Suitable for a wide range of soil. Yields of over 110 bu. per acre have been reported.

WISCONSIN 641AA: This variety excellent for southern Wis., Michigan, northern part Ill., Indiana, Ohio and other territory. This corn produced about 10 miles north of Illinois line and is adapted for a wide territory. Has big ears, large stalk. We challenge any corn selling for \$2.00 to \$3.00 bu. more to beat it.

Hi-Yield Blend

Medium and Late Blends

We have received many favorable reports on our Hi-Yield Blend. Our customers who have been using these blends realize the importance of blending two or more varieties together. We use hybrids of similar maturity in making these blends. This will give a longer pollination period than is available from regular hybrids, which is of the utmost importance, especially during periods of hot, dry weather. We have our Hi-Yield blends available in two types—medium early and medium late. Cut your seeding cost in half by using one of these blends this year.

\$4.75 Bu. Regular and Long Rounds.

Ensilage Blend

Big Savings—Big Yields

We have selected hybrids for the ensilage blend which have unusually heavy foliage and those which are drouth resistant. Our 615, for instance, has a very heavy foliage and dark green leaves. We use this generously in our ensilage blends. We have many customers in Southern Wisconsin and Michigan who raise our ensilage corn every year. Farmers in these areas must have corn they can depend upon for a heavy growth. That is why they order Ensilage Blend. Available in long and medium round grades.

\$5.25 Bu. Regular and Long Rounds.

A Wonderful Combination

**Timothy, Red Clover, Alsike
and Alfalfa Mixed -- \$11.95 bu.**

Our Big 4 Mixture (45) lb. bu.

Contains About 30% to 31% Clovers and Alfalfa

Our Big Seller

A lot of our customers order this mixture every year. Is an extra rich mixture at a low cost. A combination of legumes or soil builder and Timothy. There is plenty of Alfalfa to make a good showing. Sow this mixture and find out if your land is adapted for growing Alfalfa. If you do not get a full stand of Alfalfa, you are pretty sure of getting a full stand of the other Clovers and Timothy. You cannot lose. These legumes increase the growth of the Timothy.

Many customers have established fields of straight Alfalfa after seeing the wonderful growth made by this crop in this mixture. It makes an excellent pasture or meadow. Has a high feeding value. Thousands of customers buy it. All hardy seed.

Our Big 4 Mixture is a smooth mixture of clean blended seed. A seeding of 10 or 11 lbs. per acre puts an average of about 30 to 35 total Clover and Alfalfa seeds per square foot in addition to the Timothy. This mixture has good germination. Is all northern grown. This seeding has been very popular right from the start when we first offered it a few years ago. Is our best seller.



Red Clover and Timothy Mixed
"RICHER GRADE" \$12.90 bu.

Contains About 25% to 26% Clover

This mixture is an old stand-by with most farmers. Is about the oldest mixture grown. We buy many lots of seed already mixed. Also lots of Timothy containing a percentage of Red Clover. We buy this mixed seed at a discount. We reclean this seed and add the right amount of Clover to bring it up to this rich mixture we offer as our Richer Grade of Red Clover and Timothy Mixed. Has good purity and germination. We guarantee this seed to satisfy you. Is hardy grown seed.

Our "Richer" grade has just the right amount of Clover to produce a rich meadow or pasture. A good percentage of Clover makes it a good soil builder. Stores plenty of nitrogen in the soil. Will increase yield of future crops. Seeding 10 to 12 lbs. per acre, there are 20 to 23 Clover seeds on every square foot. This mixture 45 lbs. per bushel. You really get your money's worth in buying this fine mixture.